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Attention: Examiner: Quochlen B. Vuong  
Supervising Examiner: Edward Urban  
UNITED STATES PATENT AND TRADEMARK OFFICE

Fax: (571) 273-8300

Phone: (571) 272-7902

Phone: (571) 272-7899

Pages: Cover + 1 + 7 = 9

Date: April 19, 2006

From: Georgann S. Grunebach  
Assistant General Counsel

Fax: (310) 964-0941

Phone: (310) 964-4615

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**Certificate of Transmission under 37 CFR 1.8**

I hereby certify that this correspondence is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on April 19, 2006.

Date: April 19, 2006

  
Georgann S. Grunebach, Reg. No. 33,179

Attention: Commissioner for Patents

Attorney Docket No. PD-990099A

Please find attached Re:

Inventor: Arthur W. Wang, et al.

Serial No.: 10/718,024

Filed: November 19, 2003

For: METHOD AND APPARATUS FOR PROVIDING WIDEBAND SERVICES USING MEDIUM  
AND LOW EARTH ORBIT SATELLITES

- AMENDMENT TRANSMITTAL
- AMENDMENT RESPONSE TO PTO REJECTION DATED 1-27-2006

***PLEASE CONFIRM RECEIPT OF THIS FACSIMILE***

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.  
The DIRECTV Group, Inc., RE / R11 / A109, P.O. Box 956, El Segundo, CA 90245-0956

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PATENT  
Docket No. PD-990099A  
CUSTOMER NO.: 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Arthur W. Wang : Date: April 18, 2006  
Serial No.: 10/718,024 : Group Art Unit: 2685  
Filed: November 19, 2003 : Examiner: Quochien B. Vuong  
For: METHOD AND APPARATUS FOR PROVIDING  
WIDEBAND SERVICES USING MEDIUM AND LOW  
EARTH ORBIT SATELLITES

TRANSMITTAL LETTER FOR AMENDMENT UNDER 37 CFR §1.111

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir, Transmitted herewith is an amendment in the above-identified application.

Applicant petitions for an extension of time for ( ) month to respond to the Office Action dated \_\_\_\_\_.  
If an additional extension of time is required, please consider this a petition therefor.

An extension for \_\_\_\_\_ month(s) has already been secured; the fee paid therefor of \_\_\_\_\_  
is deducted from the total fee due for the total months of extension now requested. \$ \_\_\_\_\_  
Extension fee due with this request \$ \_\_\_\_\_

☒ Applicant believes that no extension of time is required to respond to the Office Action dated January 27, 2006.  
However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

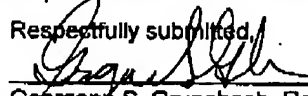
☒ Additional fee for claims is required.

☒ The fee for claims has been calculated as shown below:

	CLAIMS AS AMENDED					RATE	ADDITIONAL FEE
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA				
TOTAL CLAIMS	5	minus 20	=	0	x	\$ 50.00	\$ 0
INDEPENDENT CLAIMS	1	minus 3	=	0	x	\$ 200.00	\$ 0
MULTIPLE DEPENDENT CLAIMS				0	+	\$ 360.00	\$ 0
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:							\$ - 0-

Charge \$-0- to Deposit Account No. 50-0383 of The DIRECTV Group, Inc. (formerly Hughes Electronics Corporation), El Segundo, California. Please charge any additional fees for claims or credit overpayment to Deposit Account No. 50-0383. If any additional extension fee is required, please charge to Deposit Account No. 50-0383.

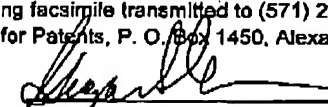
Respectfully submitted,

  
Georgann S. Grunebach, Reg. No.: 33,179  
Attorney for Applicant(s)

CERTIFICATE OF TRANSMISSION UNDER 37 CFR §1.8

I hereby certify that the correspondence identified above is being facsimile transmitted to (571) 273-8300 (Centralized USPTO Facsimile Number), addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on April 19, 2006.

The DIRECTV Group, Inc.  
Bldg. R08, M/S A109  
PO Box 956  
El Segundo, CA 90245-0956  
Date: April 19, 2006

  
Georgann S. Grunebach, Reg. No. 33, 179  
Attorney for Applicant  
Telephone No.: (310) 964-4615

April 19, 2006  
Date of Signature

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003/009

APR 19 2006

Due Date: April 27, 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Arthur W. Wang	Examiner:	Quochien B. Vuong
Serial No.:	10/718,024	Group Art Unit:	2685
Filed:	November 19, 2003	Docket:	PD-990099A
Title:	METHOD AND APPARATUS FOR PROVIDING WIDEBAND SERVICES USING MEDIUM AND LOW EARTH ORBIT SATELLITES		

## CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being filed via facsimile transmission to (571) 273-8300 (Centralized USPTO Facsimile Number) on April 19, 2006, and is addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 by Georgann S. Grunebach, Registered Representative.

  
Georgann S. Grunebach, Reg. No. 33,179

Customer No. 020991

AMENDMENT UNDER 37 C.F.R. §1.111

## MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated January 27, 2006, please amend the above-identified application as follows.